

Claims:

1. Keyless entry for executing immobilizer authentication, comprising:

5 a plurality of mobile devices each capable of fitting thereto a transponder for immobilizer authentication; and

a car-mounted device including a mobile device communication portion for communicating with said plurality of mobile devices and an immobilizer authentication portion
10 for executing immobilizer authentication through communication with said transponders;

wherein said immobilizer authentication portion includes a transmission/reception portion for executing communication by wireless signals with said transponders, an
15 ID preservation portion for storing and preserving ID of registered transponders, and a combination ID preservation portion for storing and preserving a combination of an ID of a registered mobile device and an ID of a transponder fitted to said registered mobile device, a combination of an ID of
20 a mobile device lastly making communication and an ID of a transponder is extracted from said combination ID preservation portion when said immobilizer authentication portion executes immobilizer authentication, and an immobilizer authentication process is executed first for a transponder having the ID so
25 extracted.

2. Keyless entry according to claim 1, wherein, when said immobilizer authentication fails to execute immobilizer

authentication when it executes a first immobilizer authentication process, said immobilizer authentication portion extracts a combination of an ID of a mobile device making communication immediately ahead of said mobile device lastly making communication and an ID of a transponder from said combination ID preservation portion, and executes again an authentication process for said transponder having the ID so extracted.